



Safe and Affordable Drinking Water

California State Board of Food and
Agriculture Meeting

Sacramento, CA

March 7, 2017

Darrin Polhemus, Deputy Director
State Water Resources Control Board

Human Right to Water

- AB 685 (2012)
- HR2W
Resolution at
State Water
Board (2016)
- First yearly
update (2017)

The people of the State of California do enact as follows:

SECTION 1. Section 106.3 is added to the Water Code, to read:

106.3. (a) It is hereby declared to be the established policy of the state that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. (b) All relevant state agencies, including the department, the state board, and the State Department of Public Health, shall consider this state policy when revising, adopting, or establishing policies, regulations, and grant criteria when those policies, regulations, and criteria are pertinent to the uses of water described in this section

...

Annual Update

- Where are we one year later?
- Three parts to HR2W:
 - 1) Safe and Clean
 - 2) Affordable
 - 3) Accessible
- Survey of our Board wide efforts towards implementation
- Success stories: Pratt Mutual, East Porterville



Safe and Clean - Human Right to Water (HR2W) Portal

- Formed workgroup following the State Water Board Resolution
- Led by the Division of Drinking Water
- Group is multi-disciplinary, cross-divisional, and multi-agency

Work Group – Goals

- To create datasets and maps and make the information available to the public
- To establish metrics defining what it means for Californians to have water that is:
 - 1) Safe and Clean
 - 2) Affordable
 - 3) Accessible

Web Portal

**CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY**
STATE WATER RESOURCES CONTROL BOARD

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Office of Governor
Edmund G. Brown Jr.
[Visit his Website](#)

Board Chair
Felicia Marcus
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- Cal/EPA
- State and Regional Water Boards' Map
- Board Priorities
- Laws/Regulations
- Make a Payment
- Plans/Policies
- Programs
- Decisions Pending and Opportunities for Public Participation

 **File an Environmental Complaint**

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HUMAN RIGHT TO water PORTAL

safe & clean. affordable. accessible

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HUMAN RIGHT TO WATER (HR2W)

On September 12, 2012, Governor Edmund G. Brown Jr. signed Assembly Bill (AB) 685, making California the first state in the nation to legislatively recognize the human right to water.


Now in the Water Code as Section 106.3, the state statutorily recognizes that "every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes." The human right to water extends to all Californians, including disadvantaged individuals and groups and communities in rural and urban areas.

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GENERAL INFORMATION

 [Press Releases](#)
[Frequently Asked Questions](#)
[Water Code Section 106.3](#)

DOWNLOAD HUMAN RIGHT TO WATER DATA

 [Data Disclosure](#)
[Exceedance/Compliance Status of Public Water Systems \(PWSs\)](#)

Web Portal

- Downloadable data
 - Includes O&M cost estimate
- Maps
- Updates to include affordability and accessibility information
- Continued collaboration with Work Group



HUMAN RIGHT TO WATER (HR2W)

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GENERAL INFORMATION

- Press Releases
- Frequently Asked Questions
- Water Code Section 106.3
- State Water Board Resolution (02/16/16)
- Drinking Water Watch [Safe Drinking Water Information System (SDWIS) Data]
- Water System Success Stories
- Other References

BROWSE HUMAN RIGHT TO WATER MAPS

- Exceedance/Compliance Status of Public Water Systems
 - Map User Guide
- Affordable (estimated completion 2018)
- Accessible (coming in 2017)

EXCEEDANCE/COMPLIANCE STATUS OF PUBLIC WATER SYSTEMS

Click on to enlarge.

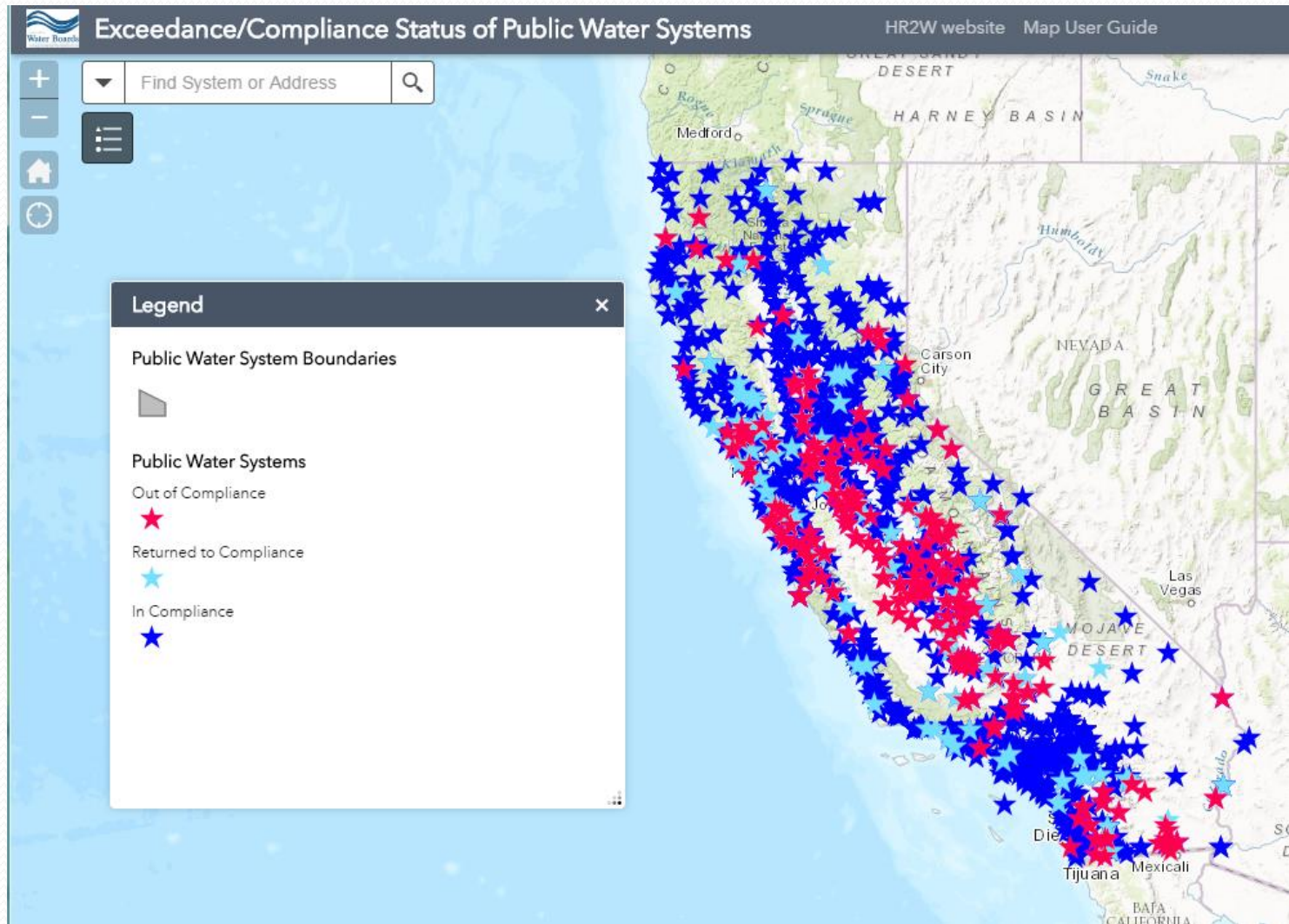


Compliance Status	Count
In Compliance	2848
Out of Compliance	382
Returned to Compliance	168

DOWNLOAD HUMAN RIGHT TO WATER DATA

- Data Disclosure
- Exceedance/Compliance Status of Public Water Systems (PWSs) Data (Excel Files)
 - Community, Schools, Daycares Public Water Systems Who Have Current Exceedance/Compliance Issues (1/1/2012-present)
 - Community, Schools, Daycares PWSs with Return-to-Compliance for Past Exceedance/Compliance Issues (Jan 2012 to present)
 - Community & NTNG PWSs Currently Out-of-Compliance with Hexavalent Chromium MCL (State-owned)
 - Community & NTNG PWSs Currently Have an Approved Hexavalent Chromium Compliance Plan in Compliance with SB 385 (State-owned)
- Affordable Safe Drinking Water (ASDW) Initiative
 - Factsheet
 - Explanation of Safe Drinking Water O&M Needs Estimate Spreadsheet
 - Safe Drinking Water O&M Needs Estimate (Excel File) (Jan 2017)
- Affordable Data (Excel file) (estimated completion 2018)
 - For more information on affordable drinking water rate development activities, see the [Low-Income Water Rate Assistance Program webpage](#)
 - See also [Assembly Bill \(AB\) 401 text](#)
- Accessible Data (Excel file)

Web Portal – Maps



Web Portal – Maps cont.

(1 of 3) Public Water System: OAKVALE PARK

Water System No. CA3700962

Regulating Agency LPA67 - SAN DIEGO COUNTY

County SAN DIEGO

Population 100

Classification COMMUNITY

City ESCONDIDO

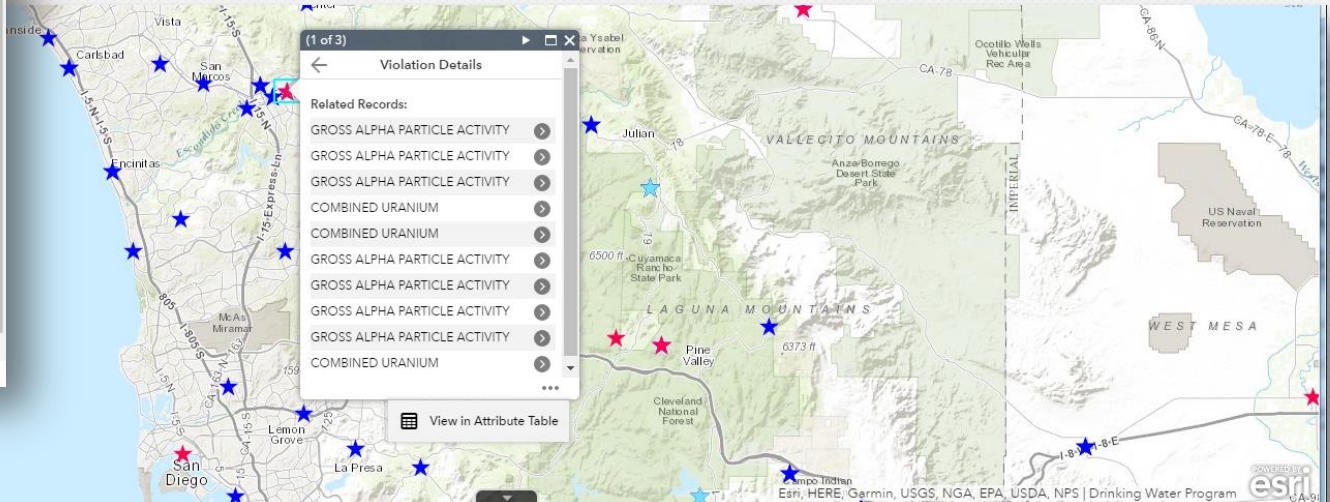
Zip Code 92027

OUT-OF-COMPLIANCE, CLICK VIOLATION DETAILS LINK BELOW

Related Tables:

Violation Details

[Zoom to](#)



Violation Details

Options Filter by Map Extent Zoom to Clear Selection Refresh

Water System Number	Violation Number	Violation Type	MCL	Analyte	Result	Violation Begin Date	Violation End Date	Enf. Action Number	Enf. Action Date	Enf. Action Type
CA3700962	1405156	MCL AVERAGE	15 PCI/L	GROSS ALPHA PARTICLE ACTIVITY	26.25 PCI/L	6/30/2014	9/29/2014	1405156	11/13/2014	FORMAL ENFORCEMENT ACTION ISSUED
CA3700962	1506134	MCL AVERAGE	20 PCI/L	COMBINED URANIUM	51.7 PCI/L	6/30/2016	9/29/2016	1506134	9/22/2015	FORMAL ENFORCEMENT ACTION ISSUED
CA3700962	1506134	MCL AVERAGE	20 PCI/L	COMBINED URANIUM	113 PCI/L	12/31/2015	3/30/2016	1506134	9/22/2015	FORMAL ENFORCEMENT ACTION ISSUED
CA3700962	1506134	MCL AVERAGE	20 PCI/L	COMBINED URANIUM	89.4 PCI/L	3/31/2016	6/29/2016	1506134	9/22/2015	FORMAL

10 records 0 selected

Affordable - AB 401

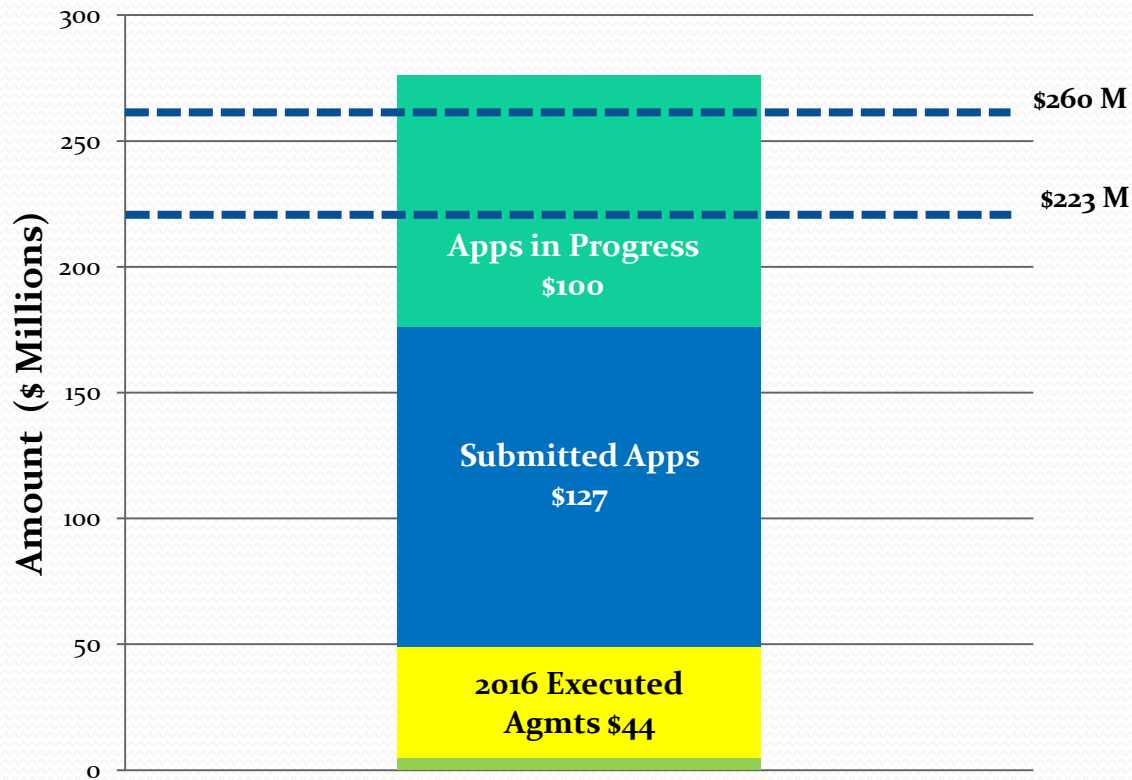
- Develop a plan for a statewide low-income rate assistance (LIRA) program
 - California would be the first state to implement a statewide LIRA program
- Report to the Legislature due February 1, 2018
- Public scoping meetings held in October & November 2016
 - Additional meetings will be held in Spring 2017
- UCLA leading economic and programmatic analysis
 - UC Berkeley performing legal analysis

Accessible

- Grant funding for EJ communities
- Low interest loan funding for all communities
- Physical Consolidations
- Managerial Consolidations
- Stakeholder outreach
 - Prop 1 technical assistance
 - Drinking water resources guide

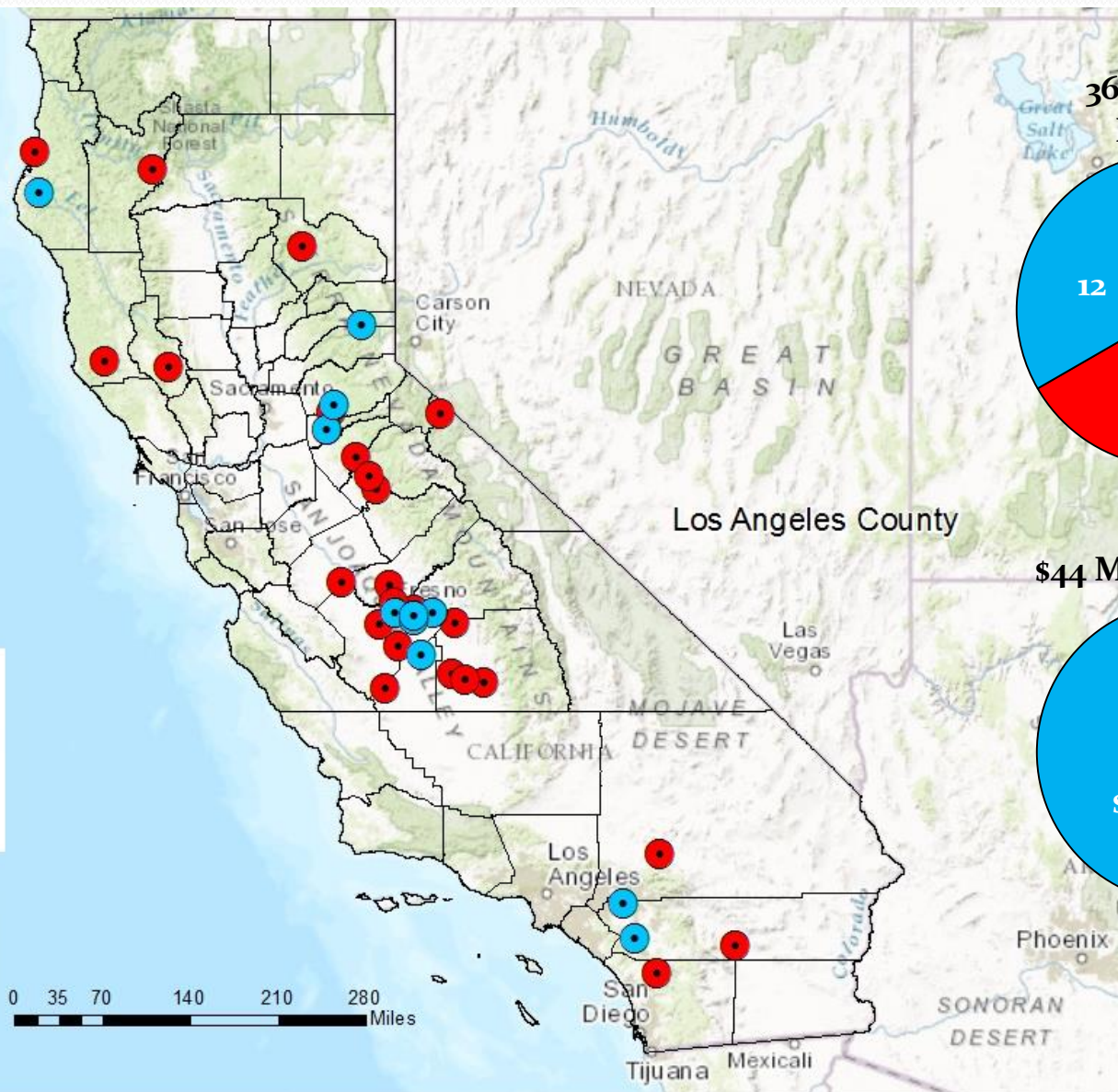
Calendar Year 2016 Drinking Water

Application Status



2016 Projects Executed

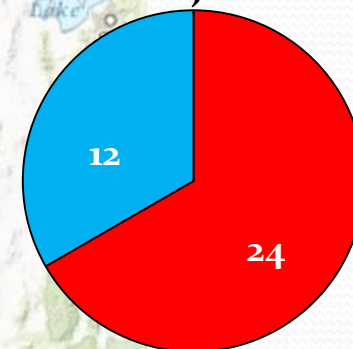
Drinking Water



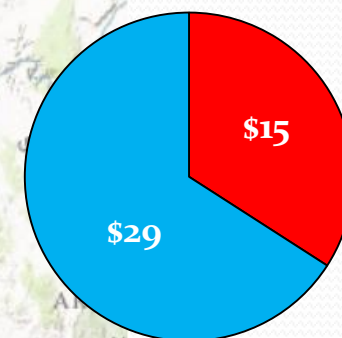
Legend

- Construction Projects
- Planning Projects
- County Boundaries

36 Executed Projects



\$44 Million Executed



East Porterville

☰

SECTIONS

Q

SEARCH

Los Angeles Times

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LOCAL / L.A. TIMES

After years without water, taps are turned on in East Porterville



A woman with dark hair tied back, wearing a black top, is smiling and holding a clear pitcher of water. Next to her, a man wearing a white cowboy hat and a blue plaid shirt is also smiling and holding a glass of water. They are standing outdoors in front of a wooden fence and some trees.

Pablo

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CHEVROLET

THE ALL-NEW BOLT EV

2017 MOTOR TREND
CAR OF THE YEAR.

2017
MOTOR TREND
CAR OF THE YEAR

*Important Info

Meet Bolt EV

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In Case You Missed It



Live updates: Evacuations below Oroville Dam remain in effect

Success Stories

- Pratt Mutual
 - SB 88 consolidation
- East Porterville (continuing)
 - Established relationships with local community members and EJ partners. Built trust
 - Assisted in signing up residents to be connected
 - 280 homes connected
 - Phase 1 completion in Spring 2017





Safe Drinking Water Operations and Maintenance (O&M) Needs

- Some disadvantaged communities lack resources for O&M in order to deliver safe and affordable water
- Consolidation often preferable, but some too remote to be consolidated
- Draft fiscal estimate of annual statewide need based on costs for O&M (and capital needs)
 - For public water systems
 - Does not include private wells

O&M Needs Estimate Summary

- 309 public water systems included in the analysis, serving approximately 200,000 people statewide
- Estimate of \$45 million annually, which is close to \$1 billion over 20 years (assumed amortization period)
- This does not include administrative costs that would be necessary to implement a program, if funded
- Based on a snap shot in time
 - Anticipated that some systems on the list may drop off as affordable solutions are found
 - Meanwhile more systems will likely emerge

California's Progress on the Human Right to Water

- Established mechanisms for consolidating small drinking water systems in disadvantaged communities with larger systems to solve contamination problems. (SB 88, 2015)
- Created new requirements so that new drinking water systems will not be approved if they exacerbate safety and affordability issues. (SB 1263, 2016)
- Invested \$325 million on upgrades to drinking water treatment systems through the Drinking Water State Revolving Loan Fund.
- Developed a Clean Water for Schools program to make \$9.5 million available to schools for water bottle filling stations and point-of-use water treatment devices.

Resource Guide

Citizen's Guide to working with the **California** **Water Boards**

...get involved...



CALIFORNIA
Water Boards

STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS



Drinking Water Resource Guide

- EJ and DACs
- Central Valley & Central Coast Regions
- Discusses common contaminants
- Answers common questions
- Water Board resources and contacts
- Local community based resources
- English and Spanish

What we need to continue progress

- Increase water system compliance
 - Consolidations
- Establish ongoing funding sources
 - Deliver new capital needs for treatment systems
 - Provide for operation and maintenance
 - Address affordability issues in all communities
 - Private domestic well support
- Manage water resources with human right to water in forefront of approach